

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (currently amended) A process for depositing a film coating on the exposed surface of a substrate, characterized by the steps of: (a) creating a glow discharge in a region between an electrode and a counterelectrode; and (b) flowing a mixture comprising a balance gas, a tetraalkylorthosilicate and, optionally, a carrier gas for the tetraalkylorthosilicate through the glow discharge and onto or in the vicinity of at least one surface of said substrate at a flow velocity of from about 0.05 m/s to about 5 m/s, the concentration of the tetraalkylorthosilicate in the mixture being in the range of from at least about ~~2200 ppm~~ 3500 ppm to about 10000 ppm to form a film coating on the substrate and the balance gas is air, oxygen, CO₂, O₃, NO, or a combination thereof and the film coating has an optical clarity of at least 98 percent and a haze value of not greater than 2 percent.
2. (previously presented) The process of Claim 1 wherein the electrode is a perforated electrode comprising perforations therein and the mixture of a balance gas and a tetraalkylorthosilicate and, optionally, a carrier gas for the tetraalkylorthosilicate is flowed through the perforations.
3. (original) The process of Claim 2 wherein the process is continuous and the counterelectrode supports a moving substrate.
4. (original) The process of Claim 3 wherein the counterelectrode is covered with a dielectric sleeve.
5. (previously presented) The process of Claim 2 wherein the tetraalkylorthosilicate is tetraethylorthosilicate.
6. (canceled).

7. (currently amended) The process of Claim 5 wherein the pressure of the glow discharge region is maintained at about atmospheric pressure ~~and the concentration of the tetraethylorthosilicate is more than 3500 ppm.~~
8. (original) The process of Claim 7 wherein the flow velocity of the balance gas, the tetraethylorthosilicate, and the carrier gas through the perforations is in the range of from about 0.1 m/s to about 2 m/s.
9. (canceled).
10. (original) The process of Claim 1 wherein the film coating is a clear film coating.
11. (original) The process of Claim 1 wherein the film coating has a surface energy of more than 50 dynes/cm.